



## Los Angeles Residential Community Foundation L.A.R.C. Ranch Water System 2014 Consumer Confidence Report

We test the drinking water quality for many constituents as required by State and Federal Regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2014

**Our water sources are from two wells located on the property and outside water from Santa Clarita Water Company.**

**Listed below is the location of sources:**

Well No. 5, Well No. 6 and Santa Clarita Water Company

### **Drinking Water Source Assessment information:**

A Source Water Assessment was conducted for Well 5 and Well 6 in April 2002. Well 5 is considered most vulnerable to septic systems, not associated with any detected contaminants. Well 6 is considered most vulnerable to septic systems, agricultural/irrigation wells, historic gas stations and underground storage tanks, confirmed leaking, not associated with any detected contaminants

### **Time and place of regularly scheduled board meetings for public participation:**

Regular monthly meetings are not held at this time.

**For more information** about this report or for any questions relating to your drinking water please call (661) 296-8636 ext. 219 and ask for Chris Bratzel or call (661) 296-8636 ext. and ask for Kathleen Sturkey.  
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### **TERMS USED IN THIS REPORT:**

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

**Primary Drinking Water Standards (PDWS):** MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

**Secondary Drinking Water Standards (SDWS):** MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

**ND:** not detectable at testing limit

**ppm:** parts per million or milligrams per liter (mg/L)

**ppb:** parts per billion or micrograms per liter (ug/L)

**ppt:** parts per trillion or nanograms per liter (ng/L)

**pCi/L:** picocuries per liter (a measure of radiation)

**Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

**Maximum Residual Disinfectant Level (MRDL):** The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency.

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water

**Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Variations and Exemptions:** Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.



**The sources of drinking water** (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

**Contaminants that may be present in source water include:**

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- *Radioactive contaminants*, which can be naturally-occurring or be the result of oil and gas production and mining activities.
- *Total Coliform*: Water systems are required to meet a strict standard for coliform bacteria. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If the standard is exceeded, the water supplier must notify the public by newspaper, television or radio.

**In order to ensure that tap water is safe to drink**, USEPA and the state Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

**The tables starting at the bottom of this page and continued on pages 3 and 4 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent.** The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old.

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. L.A.R.C. tests for over 150 drinking water contaminants, only the ones detected appear in the table on page 3.



Distribution System Samples							
Parameter	MCL (AL)	PHG (MCLG)	Units	Year Tested	Result	Violation	Major Sources In Drinking Water
<b>Microbiological Contaminants</b>							
Total Coliform Bacteria	2 or more positive samples per month	0	No. of positive samples per month	2014	2	Yes	Naturally present in the environment
Fecal Coliform and E.coli	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or E.coli positive	0	No. of positive sampler per year	2014	0	No	Human and animal fecal waste

Disinfectant Byproducts					Range	Average	
Total Trihalomethanes (TTHMs)	80	N/A	ppb	2014	22.9	one annual sample	By-product of drinking water chlorination
Haloacetic Acids (HAA5)	60	N/A	ppb	2014	3.0	one annual sample	By-product of drinking water chlorination
Chlorine Residual	MRDL=4.0	MRDLG=4.0	ppm	2014	0.3-1.48	0.64	Drinking water disinfectant added for treatment
Parameter	MCL (AL)	PHG (MCLG)	Units	Year Tested	Range	Average	Major Sources in Drinking Water
<b>Radioactive Contaminants</b>							
Gross Alpha particle activity	15	N/A	PCi/L	2010	2 - 3	2.5	Erosion of natural deposits
Uranium	20	N/A		2010	2 - 2	2	
<b>Inorganics</b>							
Chromium (Total)	50	(100)	ppb	2012	N.D.	0	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Barium	1000	0.2	ppb	2012	79.5-83.09	81.7	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride	2.0	1	ppm	2012	0.5-0.6	0.55	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate as Nitrogen	10.0	N/A	ppm	2012	ND	0	
Nitrate (as NO3)	45	45	ppm	2013	1.8-1.9	1.85	Runoff and leaching from fertilizer use; leaching from septic tanks and sewerage; erosion of natural deposits
Vanadium	(50)	N/A	ppb	2012	.02-.02	0.02	The babies of some pregnant women who drink water containing vanadium in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals
Boron	1000	N/A	ppb	2012	.04-.05	0.45	The babies of some pregnant women who drink water containing vanadium in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals
Chromium VI	N/A	N/A	ppb	2009	0 - 2.2	0.5	
<b>Additional Constituents Analyzed (Groundwater Samples)</b>							
Parameter	MCL (AL)	PHG (MCLG)	Units	Year Tested	Range	Average	Major Sources in Drinking Water
pH	No Standard		Std units	2012	7.6-7.9	7.8	
Hardness	No Standard		mg/L	2012	244-246	245	
Sodium	No Standard		mg/L	2012	49-52	50.5	
Calcium	No Standard		mg/L	2012	55-59	57	
Potassium	No Standard		mg/L	2012	2-2	2	
Magnesium	No Standard		mg/L	2012	24-26	25	
Specific Conductance (E.C.)	1600		umho/cm	2012	680-694	686	Substances that form ions when in water; sewer influence
Total Alkalinity (as CaCO3)	No Standard		mg/L	2012	250-250	250	
Bicarbonate	No Standard		mg/L	2012	300-300	300	
Turbidity	TT	N/A		2012	0-4	2	Soil run off
<b>Secondary Standards - Aesthetic Standard Established by the State of California, Dept. of Public Health</b>							
Chloride	500		mg/L	2012	37-39	38	Runoff/leaching from natural deposits
Color (Unfiltered)	15	N/A	mg/L	2012	N.D.	N.D.-N.D.	Naturally-occurring organic material
Sulfate	500		mg/L	2012	46-47	46.5	
Total Dissolved Solids	1000		mg/L	2012	370-390	380	Runoff/leaching from natural deposits
<b>*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided on the next page.</b>							

Contaminant	AL = Action Level	No. of samples collected	Unit Measurement	Year Tested	90th percentile level detected	Number of samples that exceeded AL	Likely Source of Contamination
Lead (ppb)	15	5	ppb	2013	ND	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits; leaching from wood preservatives
Copper (ppb)	1000	5	ppb	2013	0.193	0	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

### Additional General Information On Drinking Water

**Copper** is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

**Lead:** Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the USEPA Safe Drinking Water Hotline (1-800-426-4791).

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

**Nitrate:** Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

**TTHMs [Total Trihalomethanes]:** Some people who use water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems and may have an increased risk of getting cancer.

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